

1. BOSC 2017 Nominations

Self Nomination:

Yes

Nominator Information

First Name

Last Name

Nominator Title

Street Address

City

State

Postal Code

Email Address

Phone Number

Mobile Phone

Nominee Information

First Name

David

Last Name

Cole

Nominee Title

Water Quality Specialist

Street Address

Exemption 6

Employment Information

Place of Employment/Work:

Oregon Department of Environmental Quality

Work Street Address

700 NE Multnomah Street

Work City

Portland

Work State:

OR

Work Postal Code

97232

Work Phone Number

503-229-5011

Work Email Address

cole.david@deq.state.or.us

Sector

State Government

Qualifications**Primary Area(s) of Expertise**

Registered Oregon Geologist,
Underground Injection Control,
NPDES Permitting & Compliance,
Hydrogeology,
Water Quality Monitoring

Committee Preference(s)

Safe and Sustainable Water Resources Subcommittee

Statement of Interest

Water is the most precious resource on this planet. I have spent most of my adult life restoring, maintaining and enhancing water resources in the state of Oregon. While I have made significant contributions in the area of water resource management in Oregon, I feel my skills and abilities could reach far more people as a committee member, to the benefit of everyone in this country. I believe that as a member of the committee my work would not only benefit all American citizens, but would give me the deepest sense of commitment, accomplishment and fulfillment.

Skills/qualifications related to committee preference(s) specified

B.S. Geology, University of Oregon, 1978.
M.S. Earth Sciences, Portland State University, 1983.
U.S.G.S. Hydrologist, Water Resources Division, Portland, OR, 1980.
Consulting Hydrogeologist, Portland Water Bureau, Portland, OR, 1980-1983.
Water Quality Monitoring Specialist, OR Dept. of Environmental Quality, 1991-2006.
Technical Support Specialist, OR Dept. of Environmental Quality, 2006-2007.
UIC Hydrogeologist, OR Dept. of Environmental Quality, 2007-2012.
Water Quality Permitting & Compliance, OR Dept. of Environmental Quality, 2013-present.

Other Relevant Information

Hazardous Materials Handling and Response, Marine & Environmental Testing.
Theory and Practice of Groundwater Monitoring & Sampling, National Groundwater Association.
Groundwater Pollution and Hydrology, The Princeton Course.
Principles of Environmental Remediation, Northwest Environmental Training Center.
Federal UIC Inspector.
EPA NPDES Permit Writers Course.

Water Quality Standards Academy, EPA, Washington, D.C.

CV/Resume URL

2. CV/Resume

Please upload your CV/ Resume.

[Resume-NRS4-Hydro.docx](#)

3.

BOSC Nomination

May 25, 2017 18:43:32 Success: Email Sent to: tracy.tom@epa.gov

4. Thank You for your Submission!

DAVID L. COLE

Exemption 6

(503) 229-5011 (W)

SUMMARY OF QUALIFICATIONS

- * Oregon Registered Geologist.
- * Certified Federal EPA UIC Inspector.
- * DEQ Employee for 25+ years: Lab, UIC, Solid Waste, Cleanup, Source Control & Wastewater.
- * DEQ UIC Hydrogeologist: 6 years, Rule Authorizations, WPCF Permits, Database, Training & Presentations.
- * Re-wrote, simplified and improved Rule Authorization Application Forms.
- * Developed and wrote DEQ UIC Program Operations Manual Procedures.
- * Wrote user guide for using, updating and maintaining the DEQ UIC database.
- * Technical Expertise in Groundwater Contaminant Fate & Transport Modeling.
- * State-of-the-Art Knowledge in Water Quality Treatment Technologies.
- * Experience implementing 40 CFR 144-146, ORS 468B, OAR 340-012, -018, -040, -044, & -071.

PROFESSIONAL EXPERIENCE

Analysis and Evaluation:

- Provided technical hydrogeologic UIC system performance expertise for the UIC Program statewide.
- Provided technical oversight of UIC Program statewide, including UIC designs, geology, depth to groundwater, treatment technologies, Rule Authorizations, WPCF permit reviews & monitoring report reviews.
- Provided technical expertise in groundwater flow, contaminant fate & transport related to UIC injection activities.
- Wrote complex UIC WPCF permits, including Oregon's first permit for Geothermal Power Plants Using Injection Systems, and issued UIC Rule Authorization Approval Letters.
- Applied UIC rules, guidance and policies to UIC Rule Authorization Approvals and WPCF permits.
- Conducted UIC inspections, investigated & resolved complaints.

Technical Assistance:

- Met with UIC owners to explain compliance requirements and approval process.
- Provided guidance to applicants for developing detailed UIC plans and specifications.
- Monitored applicants' permit materials submission progress for completeness.
- Performed all UIC Senior Hydrogeologist functions for all three DEQ regions (NWR, WR & ER).
- Performed all Oregon Registered Geologist functions to assure UIC review, signature & stamping consistency, statewide.
- Worked with UIC owners/operators/consultants/contractors to creatively solve complex UIC compliance issues on site-specific, case-by-case bases, using all DEQ rule flexibility.
- Developed & wrote UIC Program Operations Manual Procedures.
- Updated & edited UIC Database, including initiating & implementing security protocols.
- Trained Senior Level Staff & Managers on UIC Program Operations.

Inspection and Investigation:

- Certified Federal EPA UIC Inspector.
- Conducted installation, compliance, and closure inspections of environmental monitoring structures.
- Conducted and resolved enforcement actions for rule violations, under OAR 340-012.
- Assisted & directed multiple Environmental Law Specialists with UIC enforcement actions.

EMPLOYMENT HISTORY

Water Quality Specialist

Department of Environmental Quality
Portland, Oregon

December 213 – Present

UIC Hydrogeologist

Department of Environmental Quality
Portland, Oregon

January 2008 – November 2013

Technical Support Specialist Department of Environmental Quality Portland, Oregon	April 2007 – January 2008
Water Quality Monitoring Specialist Department of Environmental Quality Portland, Oregon	October 1991 – April 2007
Solid Waste Hydrogeologist Project Manager Department of Environmental Quality Salem, Oregon	December 2000 – June 2001
Assistant Project Manager Oregon Department of Transportation Salem, Oregon	March 1990 - September 1991
Consulting Hydrogeologist Portland Water Bureau Portland, Oregon	January 1980 - November 1983
Hydrologist USGS, Water Resources Division Portland, Oregon	June 1980 - September 1980

EDUCATION

Master of Science, Earth Sciences Portland State University Portland, Oregon	March 1983
Bachelor of Science, Geology University of Oregon Eugene, Oregon	June 1978

PROFESSIONAL DEVELOPMENT

* Water Quality Standards Academy Washington, D.C.	April, 2015
* EPA Permit Writers Course Seattle, Washington	March, 2014
* Presenter at Northwest Environmental Conference Portland, Oregon	December 2011
* Principles of Environmental Remediation Northwest Environmental Training Center	June 2007
* Groundwater-Surface Water Interaction Zones Workshop Flathead Lake Biological Station, Montana	September 1996
* Groundwater Pollution and Hydrology The Princeton Course	July 1994
* Theory and Practice of Groundwater Monitoring & Sampling National Groundwater Association	November 1991
* Hazardous Materials Handling and Response Marine & Environmental Testing, Inc.	November 1991